

### III. REMARKS

1. Claim 3 is amended. Applicant appreciates the Examiner's indication of the allowance of claims 6, 7 and 9-15.

2. Claims 3-5 and 8 are not anticipated by Chang under 35 U.S.C. §102(b).

Claim 3 is amended to recite that authentication data is exchanged through "user-to-user" signaling during a call, when a need for extra communication occurs "during the call." This is not disclosed or suggested by Chang.

FIG. 2 and page 1254, Col. 2, last paragraph of Chang discusses end-to-end authentication protocol, and the addition of an extra link encryption. Thus, in Chang, the end-to-end authentication protocol has an end-to-end section and a link section. One authenticates the called entity and the other authenticates the VSD by the caller. Whenever a call is made after an entity roams into a VSD, the authentication process is initiated. This is not what is claimed by Applicant.

Claim 8 recites authenticating the mobile station with user-to-user data exchange. The authentication data is exchanged during call set-up or during a call. The authentication data is exchanged through user-to-user signaling.

It is noted that in Chang, first the portable unit authenticates with the VSD. After the authentication is successful, the VSD forwards the callers challenge to the called entity if both entities do not have a shared key. Or, the VSD can challenge the caller and forward its response to the called entity when the session key is shared. (Col. 2, pg. 1254).

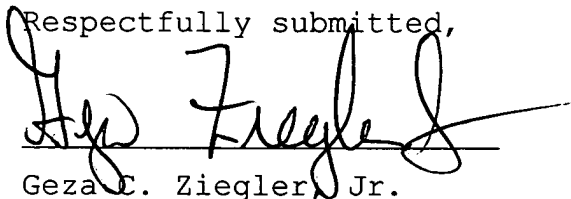
The authentication data in Chang is clearly not "exchanged" though user-to-user signaling as is claimed by the Applicant.

Thus, claims 3 and 8 should be allowable. Claims 4 and 5 should be allowable by reason of their dependencies.

For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record, and are in proper form for allowance. Accordingly, favorable reconsideration and allowance is respectfully requested. Should any unresolved issues remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,



Geza E. Ziegler, Jr.  
Reg. No. 44,004

4 JAN 2006

Date

Perman & Green, LLP  
425 Post Road  
Fairfield, CT 06824  
(203) 259-1800  
Customer No.: 2512



# **CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope addressed to the Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: January 4, 2006

Signature: Meaghan Bayle  
Person Making Deposit